OBLON, SPIVAK, ET AL
DOCKET #: 248776US6
INV: Jun IWASAKI, et al.
SHEET 1 OF 14

FIG. 1

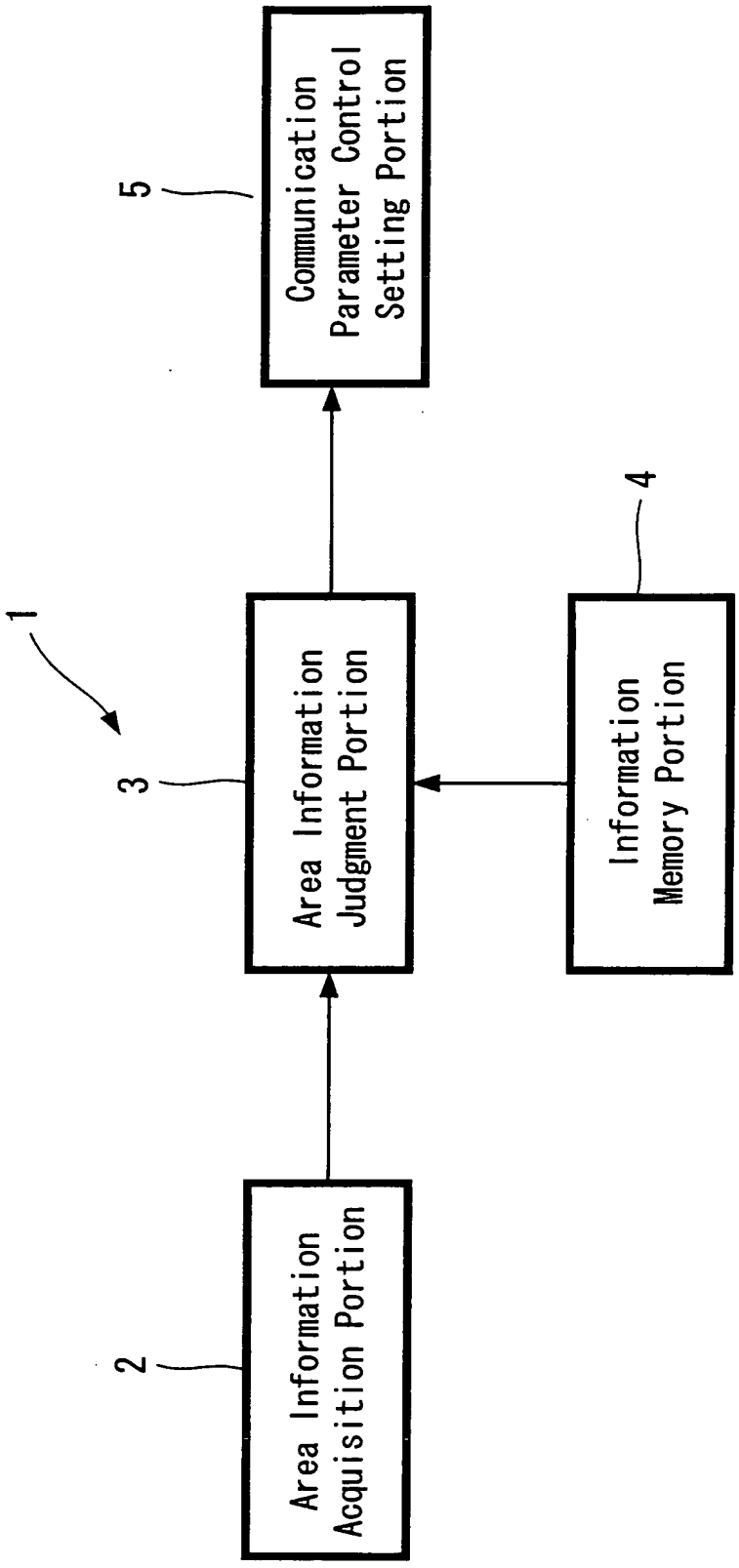


FIG. 2

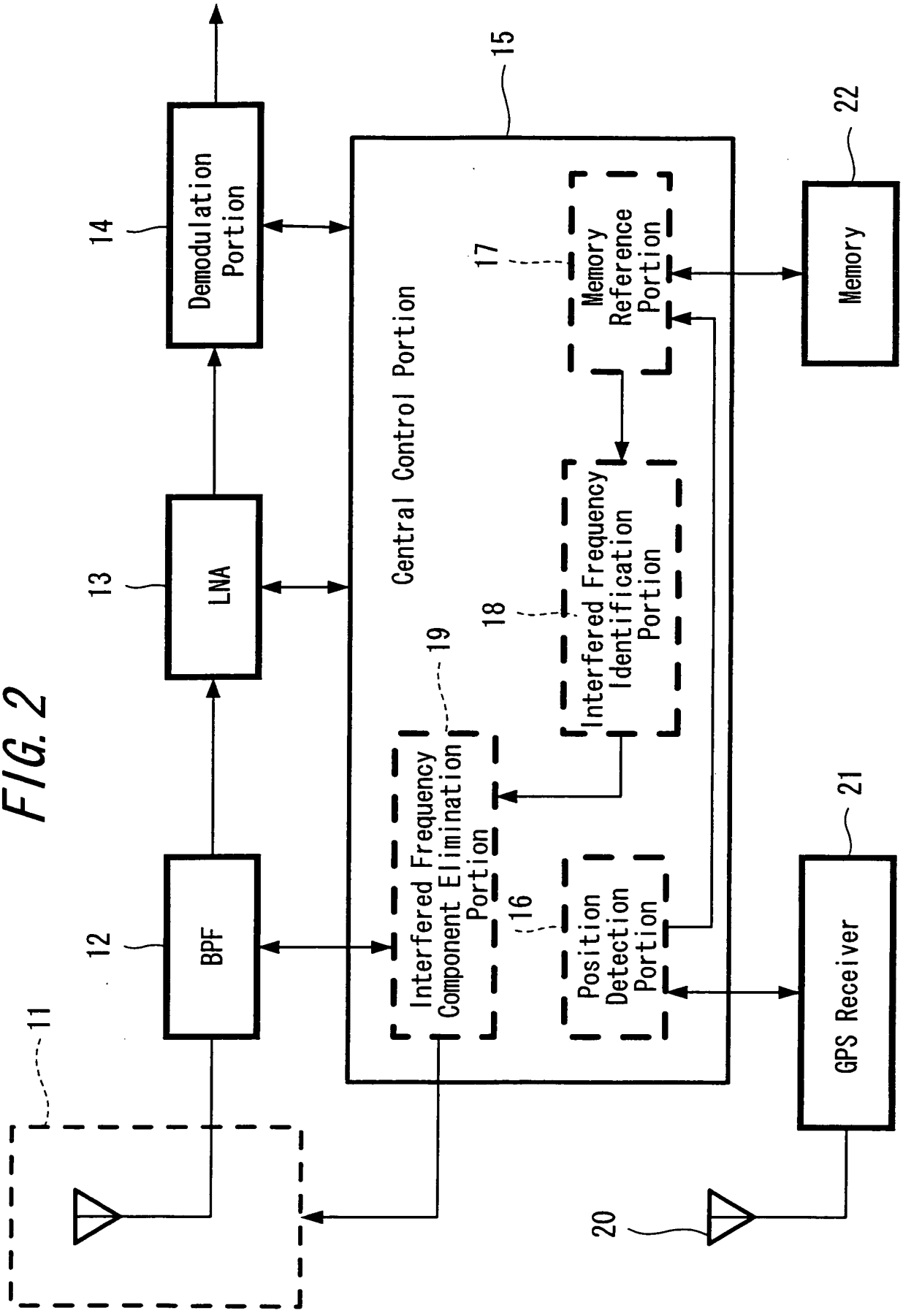

11
12
BPF
13
LNA
14
Demodulation Portion
15
Central Control Portion
16
Position Detection Portion
17
Memory Reference Portion
18
Interfered Frequency Identification Portion
19
Interfered Frequency Component Elimination Portion
20
21
GPS Receiver
22
Memory

FIG. 3

23 GPS Information	24 Country Name	25 Interfering Frequency Band to be Eliminated
N. LAT. AA° E. LONG. A°	Japan	5.15-5.25 GHz
N. LAT. BB° E. LONG. B°	USA	5.15-5.35 GHz & 5.725-5.825 GHz
N. LAT. CC° E. LONG. C°	Germany	5.15-5.35 GHz & 5.47-5.725 GHz

FIG. 4

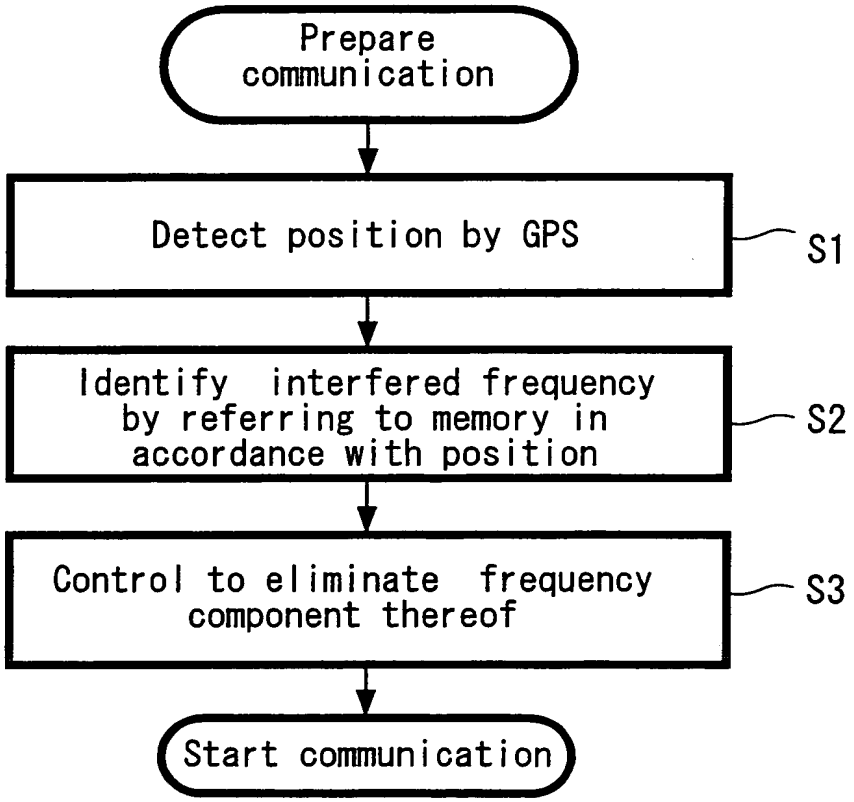


FIG. 5

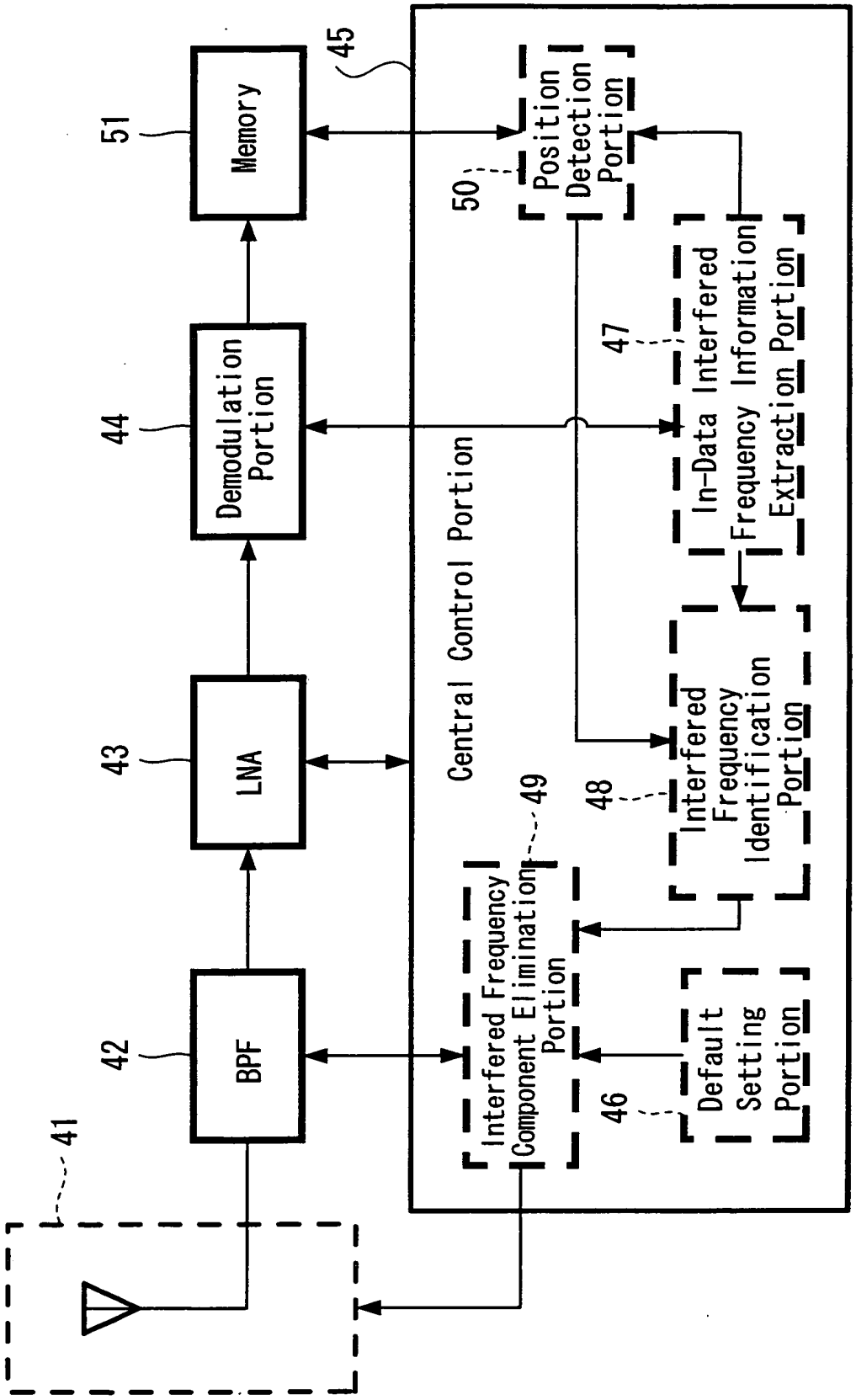

41
42
BPF
43
LNA
44
Demodulation Portion
51
Memory
45
Central Control Portion
50
Position Detection Portion
47
In-Data Interfered Frequency Information Extraction Portion
48
Interfered Frequency Identification Portion
49
Interfered Frequency Component Elimination Portion
46
Default Setting Portion

FIG. 6

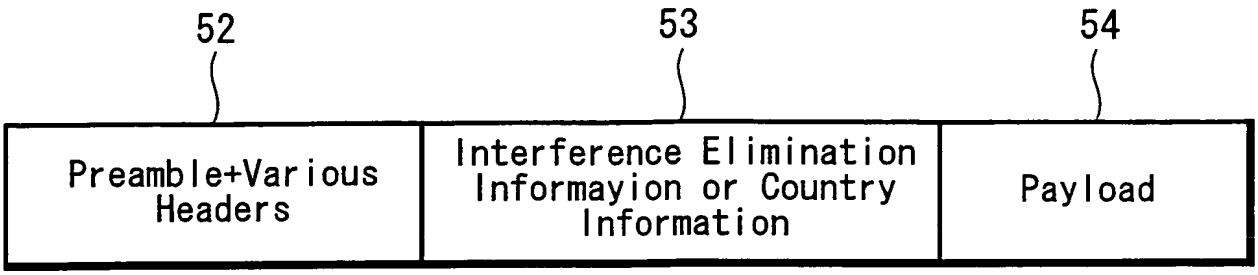
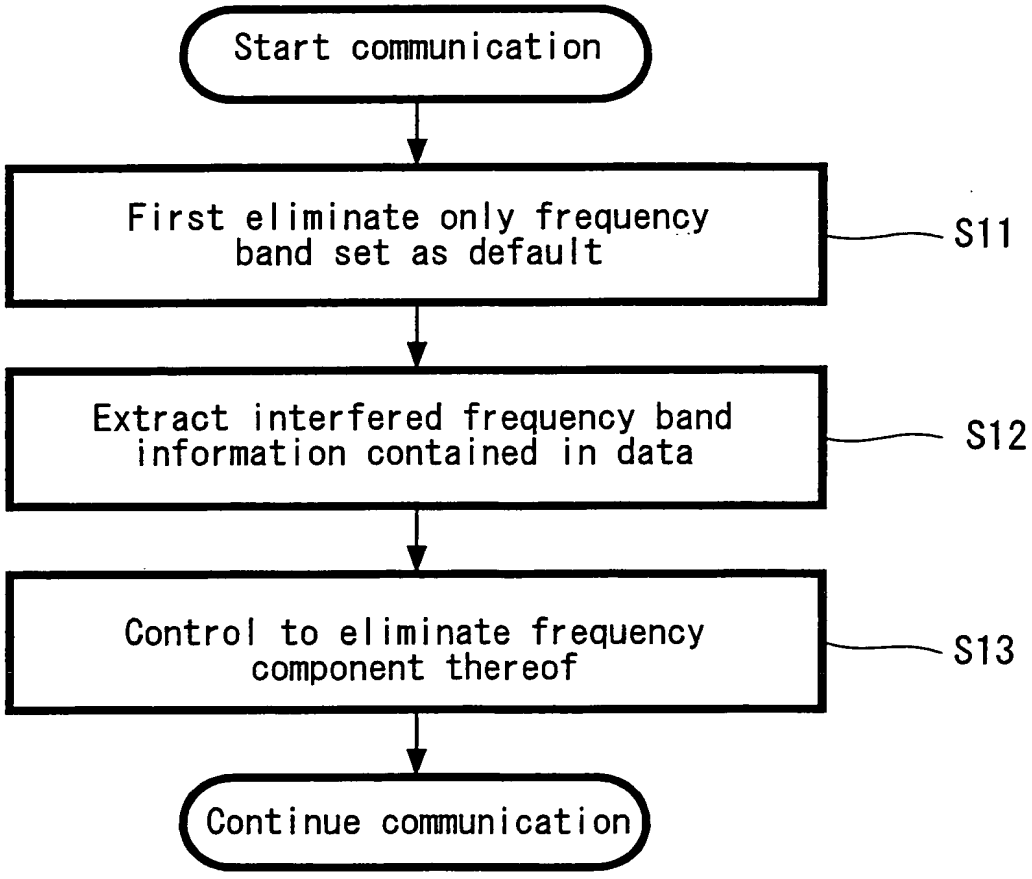

52
53
54
Preamble+Various Headers
Interference Elimination Informayion or Country Information
Payload

FIG. 7


Start communication
First eliminate only frequency band set as default
S11
Extract interfered frequency band information contained in data
S12
Control to eliminate frequency component thereof
S13
Continue communication

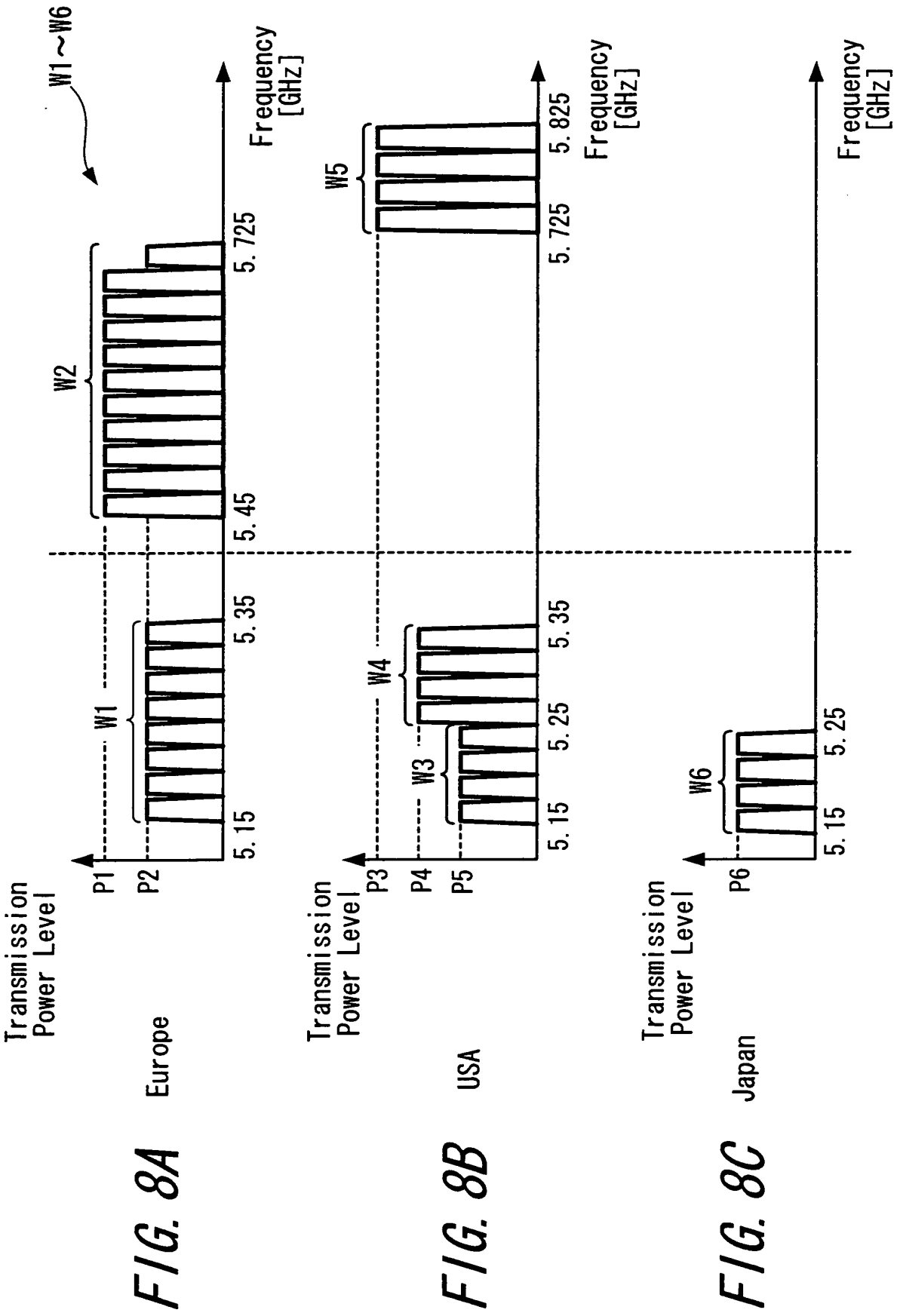


FIG. 8A

FIG. 8B

FIG. 8C

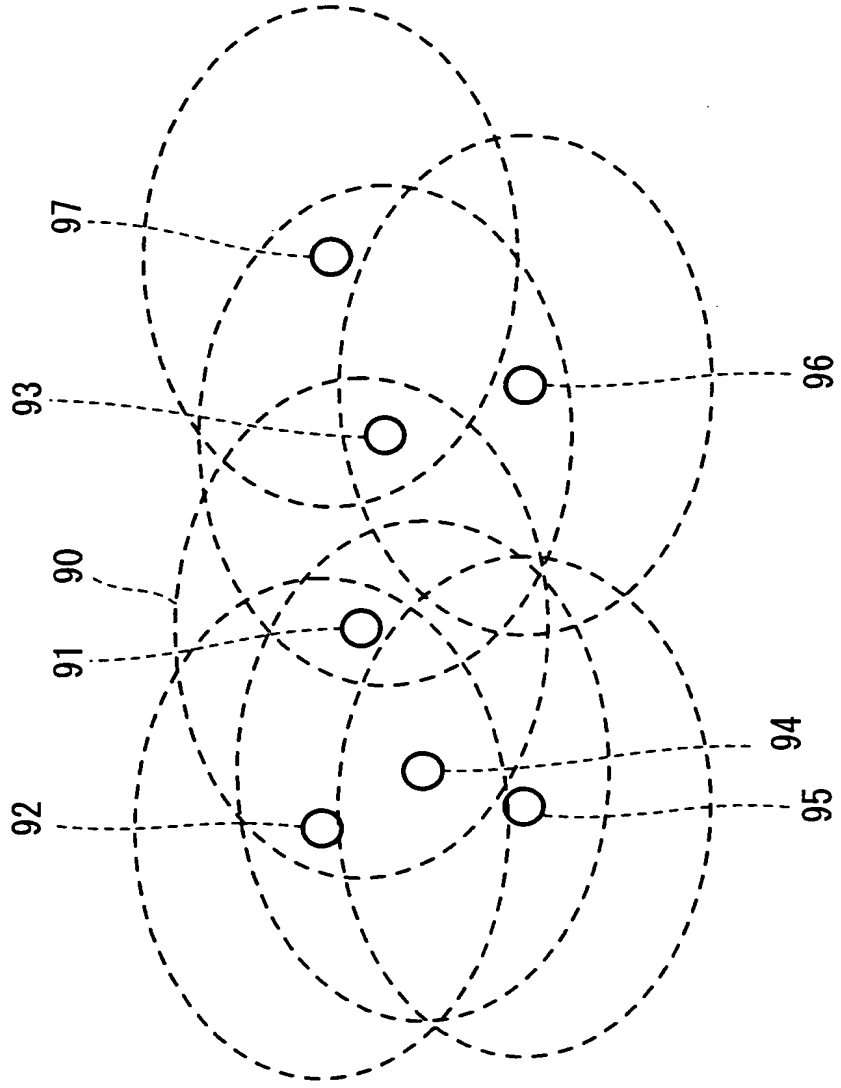


FIG. 9

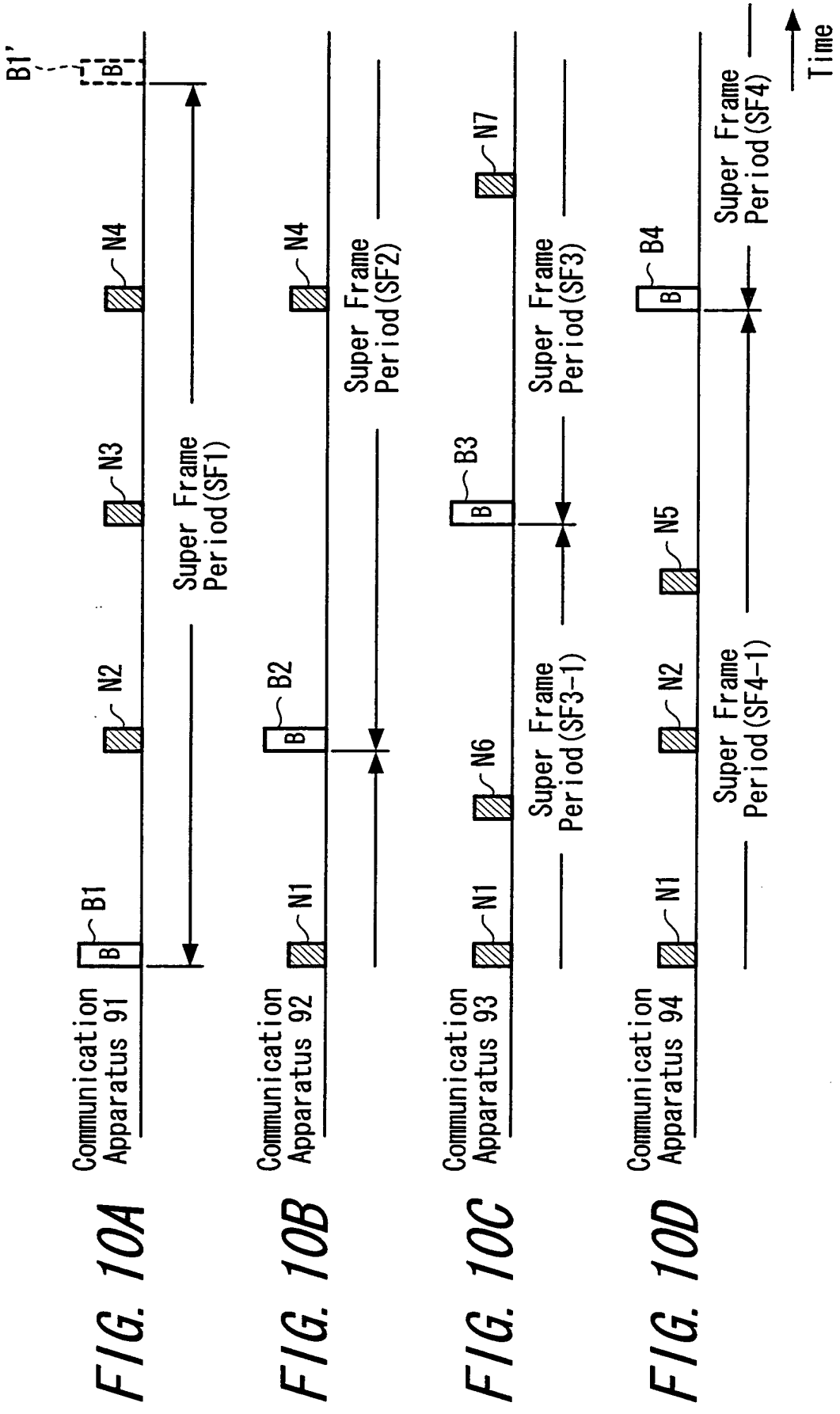


FIG. 10A

FIG. 10B

FIG. 10C

FIG. 10D

FIG. 11

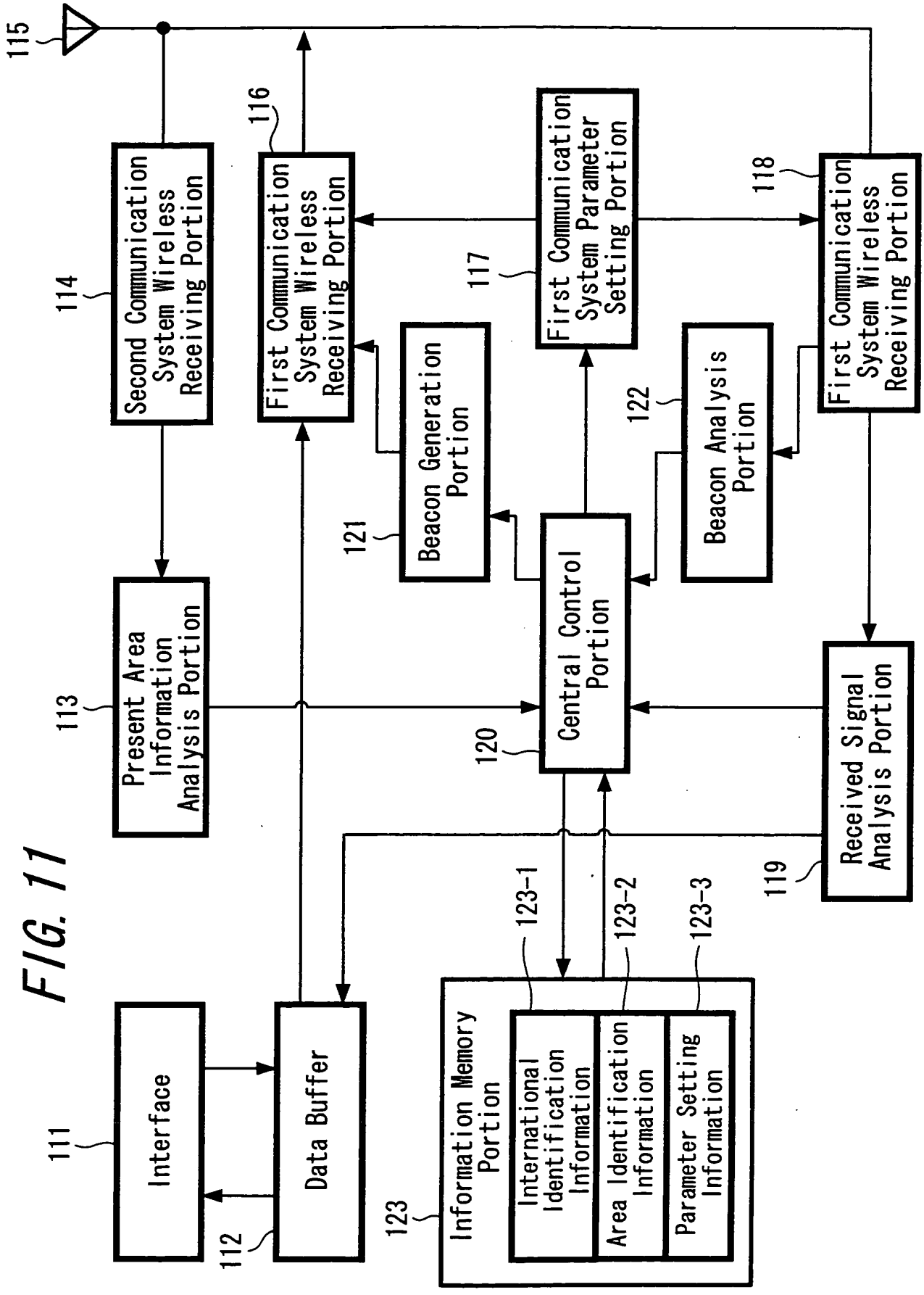

115
116
First Communication System Wireless Receiving Portion
First Communication System Parameter Setting Portion
118
First Communication System Wireless Receiving Portion
114
Second Communication System Wireless Receiving Portion
117
121
Beacon Generation Portion
122
Beacon Analysis Portion
113
Present Area Information Analysis Portion
120
Central Control Portion
119
Received Signal Analysis Portion
111
Interface
112
Data Buffer
123
Information Memory Portion
123-1
International Identification Information
123-2
Area Identification Information
123-3
Parameter Setting Information

FIG. 12

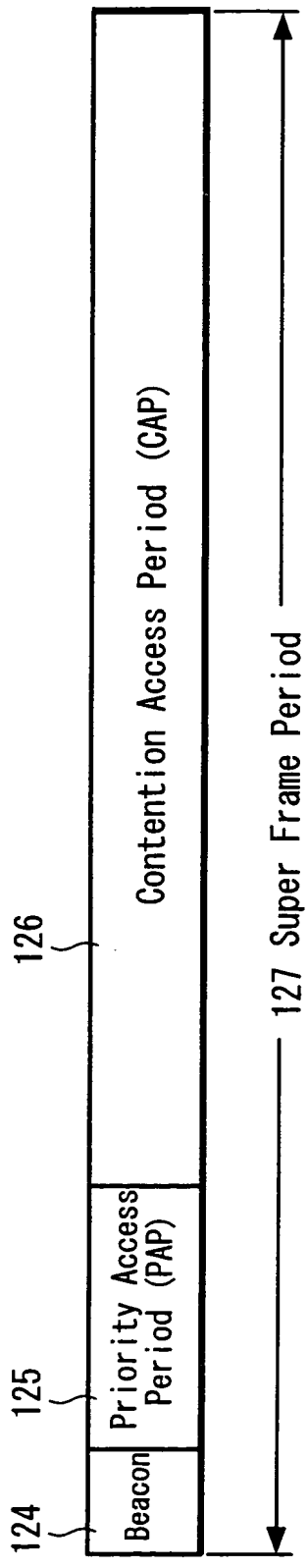


FIG. 13

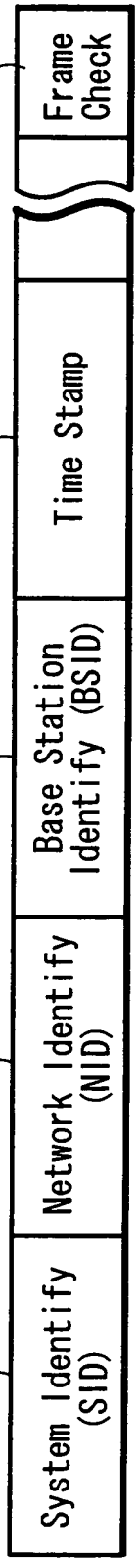


FIG. 14

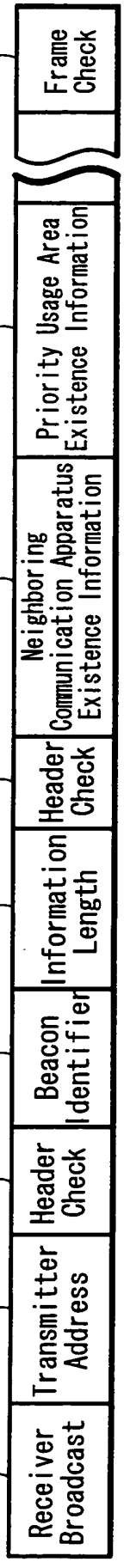


FIG. 15

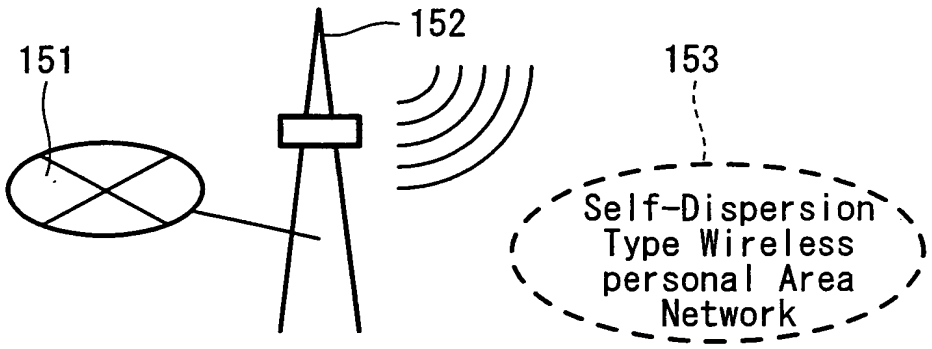

151
152
153
Self-Dispersion Type Wireless personal Area Network

FIG. 16

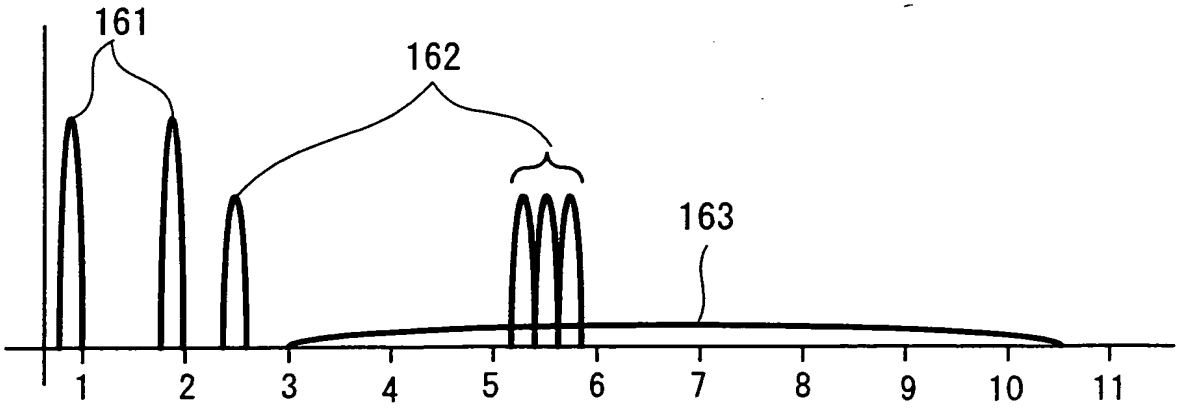

161
162
163
1
2
3
4
5
6
7
8
9
10
11

FIG. 17

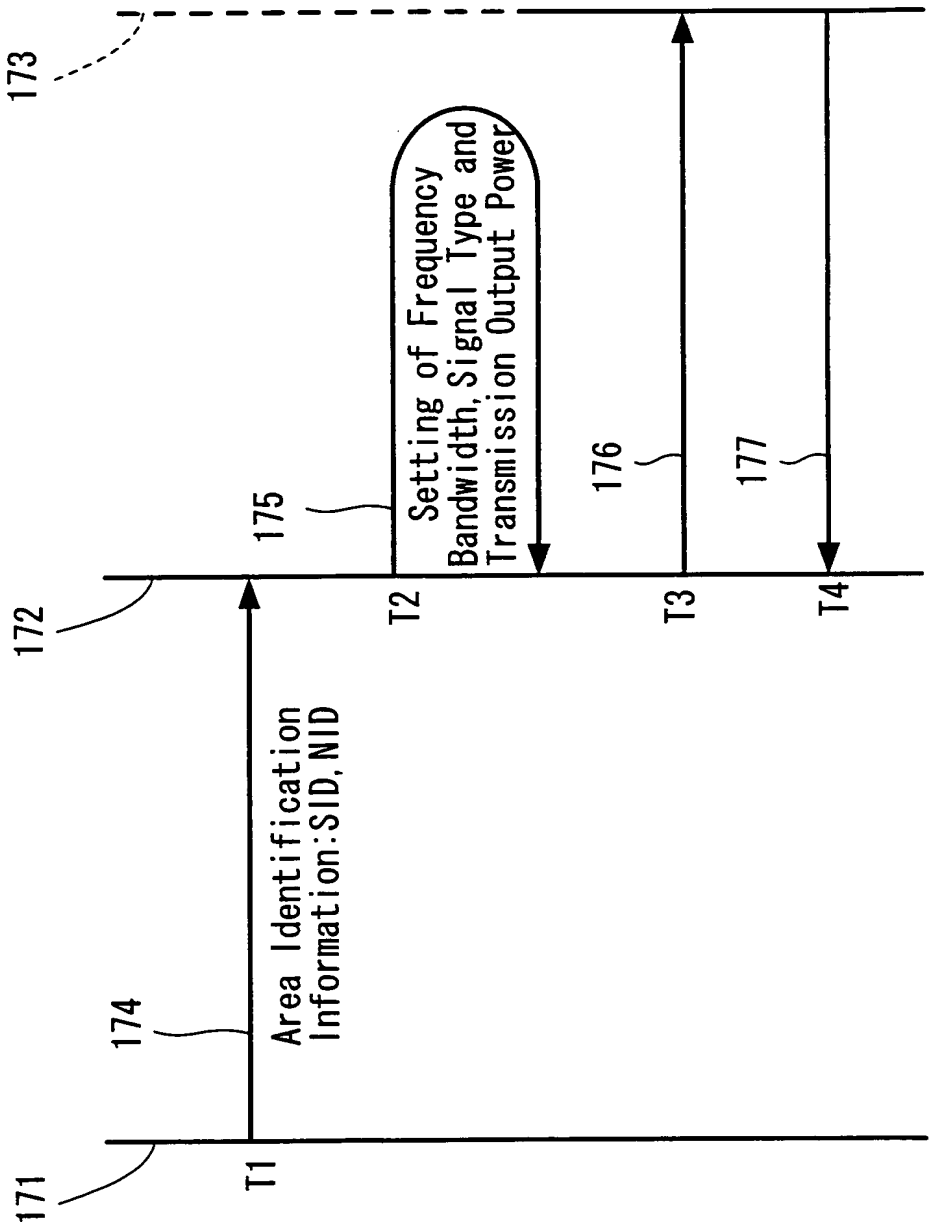

173
Setting of Frequency Bandwidth, Signal Type and Transmission Output Power
175
176
177
172
T2
T3
T4
Area Identification Information:SID, NID
174
171
T1

FIG. 18

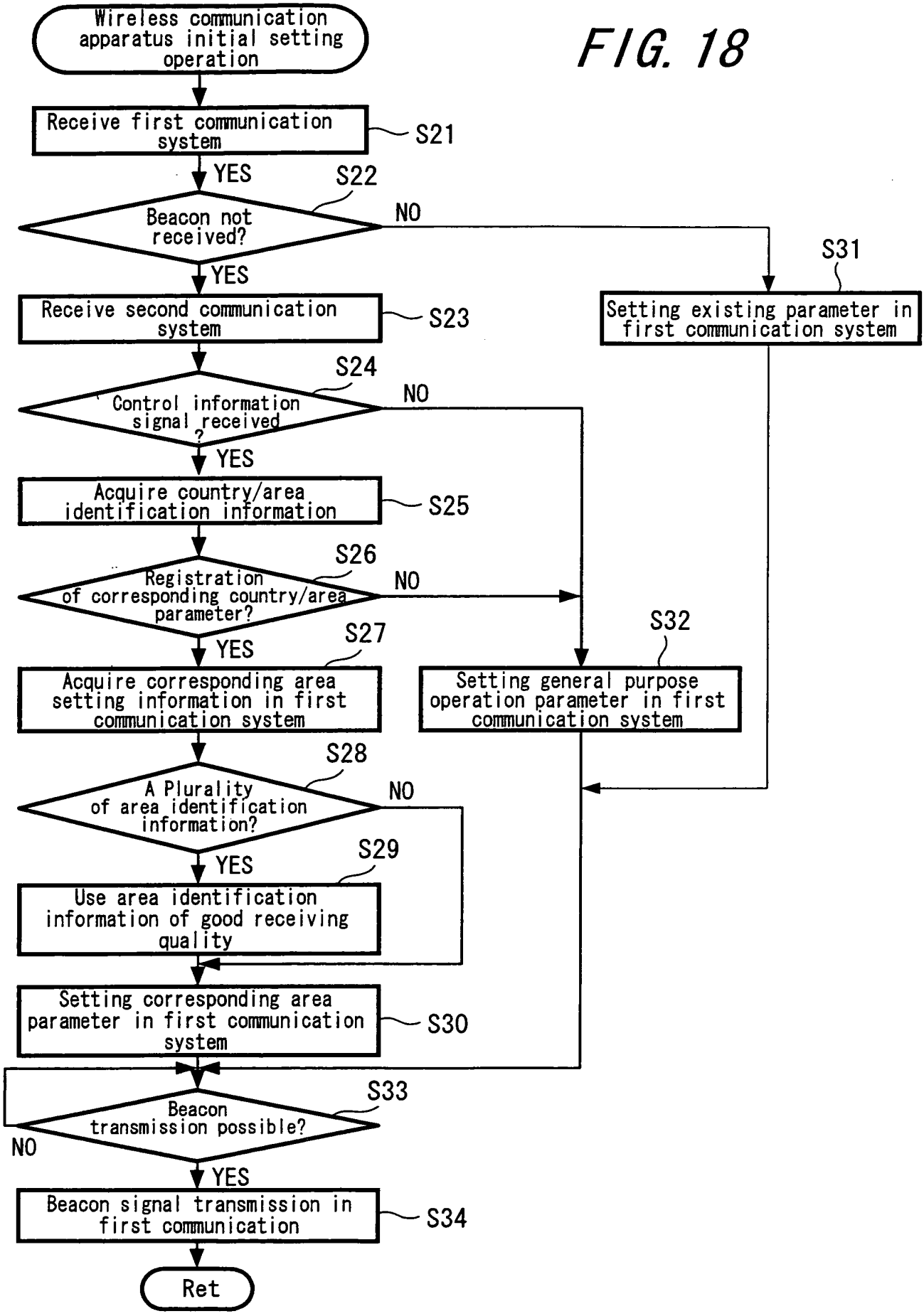
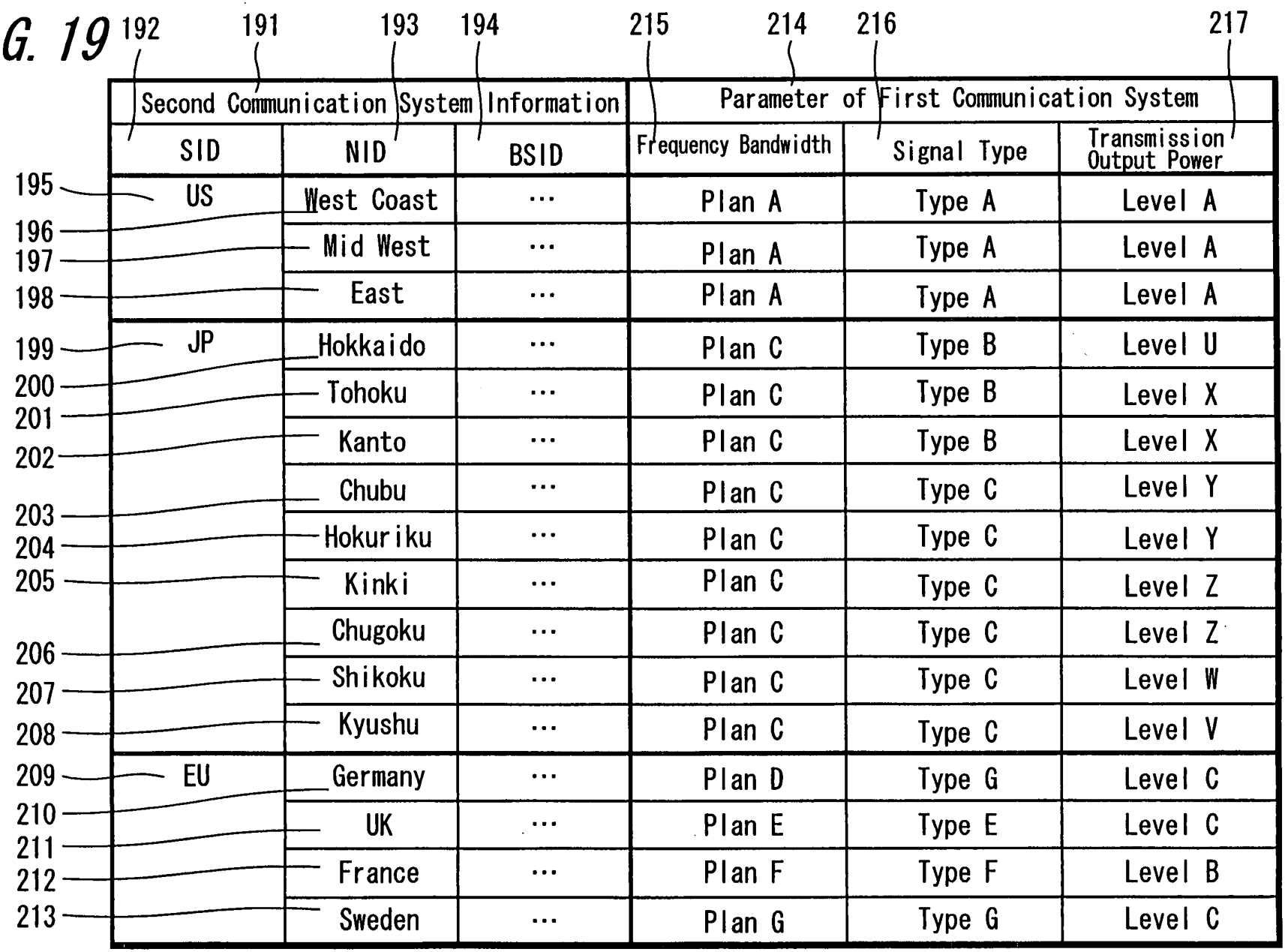

Wireless communication apparatus initial setting operation
Receive first communication system
S21
YES
S22
Beacon not received?
NO
S31
YES
Receive second communication system
S23
Setting existing parameter in first communication system
S24
Control information signal received?
NO
YES
Acquire country/area identification information
S25
S26
Registration of corresponding country/area parameter?
NO
S32
YES
S27
Acquire corresponding area setting information in first communication system
Setting general purpose operation parameter in first communication system
S28
A Plurality of area identification information?
NO
S29
YES
Use area identification information of good receiving quality
Setting corresponding area parameter in first communication system
S30
S33
Beacon transmission possible?
NO
YES
Beacon signal transmission in first communication
S34
Ret

FIG. 19



	Second Communication System Information			Parameter of First Communication System		
	SID (192)	NID (191)	BSID (193)	Frequency Bandwidth (194)	Signal Type (215)	Transmission Output Power (214)
195	US	West Coast	···	Plan A	Type A	Level A
196		Mid West	···	Plan A	Type A	Level A
197		East	···	Plan A	Type A	Level A
198	JP	Hokkaido	···	Plan C	Type B	Level U
199		Tohoku	···	Plan C	Type B	Level X
200		Kanto	···	Plan C	Type B	Level X
201		Chubu	···	Plan C	Type C	Level Y
202		Hokuriku	···	Plan C	Type C	Level Y
203		Kinki	···	Plan C	Type C	Level Z
204		Chugoku	···	Plan C	Type C	Level Z
205		Shikoku	···	Plan C	Type C	Level W
206		Kyushu	···	Plan C	Type C	Level V
207	EU	Germany	···	Plan D	Type G	Level C
208		UK	···	Plan E	Type E	Level C
209		France	···	Plan F	Type F	Level B
210		Sweden	···	Plan G	Type G	Level C
211						
212						
213						